



Engineered to be the best diesel fuel to power and protect.

- ✓ Enhances fuel efficiency
- ✓ Starts engines faster
- ✓ Restores lost horsepower
- ✓ Cleans up dirty injectors
- ✓ Prevents internal diesel injector deposits (IDID)
- ✓ Extends fuel system life
- ✓ Improves fuel storage life
- ✓ Reduces risk of plugged filters
- ✓ Performs well with biodiesel

Diselex Gold Performance

MORE POWER:

Over time, diesel engines lose horsepower. Much of this loss is attributable to poor injector spray patterns caused by traditional carbonaceous deposits that clog injector tips and orifices or sticky deposits that interfere with the normal operations of fuel injectors. The detergency in Diselex Gold starts cleaning up dirty injectors and improving combustion in as little as 16 hours. Operators have reported noticeable differences such as less shifting on hills and greater power for pulling equipment in higher gears.

GREATER EFFICIENCY:

While it is difficult to promise exact fuel efficiency improvements, we frequently hear reports of increases around 5-8% with some documented records showing as high as 20% improvement. After doing the math, this can equate to as much as a 200-400% return on the additional cost of buying Diselex Gold compared to straight #2 diesel fuel.

LASTING PROTECTION:

Diselex Gold contains leading-edge chemistry to protect vital engine parts. By preventing premature plugging of filters, Diselex Gold reduces maintenance costs and downtime during critical operations. It also extends the life of costly, high-tech fuel pumps and injectors. Reduced maintenance, fewer repairs and less downtime leads to real cost savings over the long haul.

Fueling your operation.

Keeping your operation up and running is UFA's top priority. We are committed to providing industry leading products like Diselex Gold to protect and enhance the performance of your equipment. Our Petroleum agents and delivery drivers are here to ensure you have the quality fuel and lubricants when and where you need them with the knowledge and expertise to help you improve profits, cut downtime and reduce maintenance expenses.



UFA.com/Diselex

Diselex[®] Gold
Power ♦ Efficiency ♦ Protection

Engineered to power and protect diesel engines



UFA.com/Diselex



Diselex Gold is formulated with eight components to take you further

DETERGENCY

Cleans injectors for restored horsepower and better fuel economy

Clean injectors are necessary for maximum horsepower and fuel economy. Diselex Gold contains detergent chemistry that cleans up carbonaceous deposits as well as the newer internal diesel injector deposits (IDID) that cause injectors to become “sticky” or plugged. Newer engines equipped with high pressure common rail (HPCR) fuel systems are especially prone to IDID deposits that result in loss of power, fuel economy and can cause hard starts. Diselex Gold contains a robust detergency to clean up injectors and keep them clean and passes the Peugeot DW-10 and XUD-9 Injector Tests that measure detergency effectiveness.

LUBRICITY ENHANCERS

Extends fuel pump and injector life

With the widespread use of Ultra Low Sulfur Diesel fuels, lubricity chemistry has become critically important. Without proper lubricity, fuel injectors can become hot and seize due to the plunger welding itself to the barrel. While most fuels meet the minimum government standards, Diselex Gold easily meets the higher levels of lubricity recommended by the Engine Manufacturer’s Association.

CORROSION INHIBITORS

Protects metal from rust and corrosion

Diselex Gold extends fuel system life and reduces downtime from plugged filters by reducing corrosion and its by-products. Corrosion and rust can occur when metal is exposed to moisture resulting in pieces of degraded metal plugging filters and eroding or blocking narrow injector orifices.

The corrosion inhibitors in Diselex Gold protect storage tanks, fuel injectors and fuel system components from corrosion and rust formation and enable Diselex Gold to successfully pass the National Association of Corrosion Engineers (NACE) fuel corrosion test (ASTM 665A).

OXIDATION INHIBITORS

Improves filter and fuel storage life

When diesel fuel and biodiesel blends are stored for long periods, oxidation can occur and cause the formation of gums that darken the appearance of the fuel. In extreme cases, it can give fuel a cloudy appearance, block fuel lines, plug filters and cause a layer of sludge on the bottom of storage tanks. The oxidation inhibitors in Diselex Gold slow the oxidation process and decrease gum and deposit formation for extended fuel storage life.

STABILIZING AGENTS

Maintain fuel integrity and extend filter life

Ultra Low Sulfur Diesel fuel is made thermally stable through the desulfurization process at the refinery, however that doesn’t mean there are never fuel stability issues.

Recent fuel system technologies cause as much as 50% of the fuel to bypass injectors and recirculate through the fuel rail, where it can be heated to reach temperatures exceeding 150°F. Heated fuel oxidizes more rapidly, creating gum and deposits that can plug filters and block fuel lines. Diselex Gold’s stabilizing agents work with oxidation inhibitors to maintain fuel integrity and stability.

DEMULSIFIERS

Separates “free” moisture from diesel fuel

Moisture infiltrates vehicle and storage tanks in a number of ways, but is almost always present. Diselex Gold’s demulsifier chemistry causes “free” moisture to drop to the bottom of the fuel storage tank for physical removal. Testing using ASTM D1094 methods prove the effectiveness of the demulsifier in Diselex Gold.

MOISTURE CONTROL CHEMISTRY

Carries dissolved moisture through combustion

Moisture in fuel creates an environment for bacterial and microbial growth as well as corrosion of metal parts and the formation of sludge. All fuels contain a certain amount of “dissolved” moisture, which causes no negative effects to equipment performance or longevity and is essentially invisible to engines and storage tanks. The moisture control chemistry in Diselex Gold dries out tanks by allowing the fuel to carry additional amounts of dissolved moisture. The effectiveness of this chemistry is well documented in the aviation and fleet transportation industries.

CETANE IMPROVER

Starts engines faster and produces lower emissions

Cetane is a measure of ignition quality and fuels with a cetane number combust better leading to quicker starts with less knocking and smoke.

Cetane is important in reducing harmful emissions of NOx, hydrocarbons and particulate matter. Typical #2 diesel fuel has a cetane rating of 40-44, the typical cetane number of Diselex Gold is 44-48.